

TITLE: IMPROVEMENT IN THE STRUCTURE OF A  
MULTI-FUNCTIONAL BOARD ERASER  
BACKGROUND OF THE INVENTION

(a) Technical Field of the Invention

5        The present invention concerns an improvement in the structure of a multi-functional board eraser, especially a structure that contains white board markers and can attach to the white board to make the board eraser a more effective product.

(b) Description of the Prior Art

10       When using general white boards, a specialized white board marker is used to write, and afterwards erased with a board eraser. This prior art board eraser structure is separated from the white board markers and the white board. Therefore, there are often cases of missing white board markers or board erasers falling to the floor, especially when there are white board  
15       markers of many colors, which makes it even more difficult to collect the writing equipments. Although the bottom of the white board usually has a stopping board installed for the placing of board erasers and white board markers, but they are usually scattered or misplaced, so it is still inconvenient.

## SUMMARY OF THE INVENTION

The main object of the present invention is to provide a multi-functional board eraser structure improvement, so that the board erasers and white board markers may be gathered up for storage to prevent them from falling or 5 missing, and to add to the practical value of the board eraser.

The aforementioned board eraser structure comprises of a long bar shape, and above the long bar shape a shallow trough is installed for the embedding of a wiping cloth wrapped around magnetic elements. The two sides of the long bar body have two symmetrical set troughs installed individually, and the 10 inside of the set troughs have a lower part installed. This is for the embedding of different color of white board markers into the said troughs, so that when using the white board marker, by access to the lower part of the set trough, the front part of the white board marker may be pushed down and the rear part will rise up to be taken out conveniently.

15 The preceding board eraser structure, wherein the wiping cloth not only serves as a wipe out for the markers on the white board, but also by the magnetic element in which it wraps, it attaches to the white board to prevent the board eraser and the white board markers from falling or missing.

The preceding board eraser structure, wherein the set troughs installed on 20 the two sides of the body, due to the clipping points installed on the front and

rear of the inner surface, it is convenient for the embedding and securing of the white board markers.

The foregoing object and summary provide only a brief introduction to the present invention. To fully appreciate these and other objects of the 5 present invention as well as the invention itself, all of which will become apparent to those skilled in the art, the following detailed description of the invention and the claims should be read in conjunction with the accompanying drawings. Throughout the specification and drawings identical reference numerals refer to identical or similar parts.

10 Many other advantages and features of the present invention will become manifest to those versed in the art upon making reference to the detailed description and the accompanying sheets of drawings in which a preferred structural embodiment incorporating the principles of the present invention is shown by way of illustrative example.

## BRIEF DESCRIPTION OF THE DRAWINGS

FIG 1 is an exploded view of the present invention;

FIG 2 is a perspective view of the present invention;

FIG 3 is a sectional drawing of the present invention;

5 FIG 4 is a lateral view of the present invention;

FIG 5 is an embodiment of the present invention.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The following descriptions are of exemplary embodiments only, and are not intended to limit the scope, applicability or configuration of the invention in any way. Rather, the following description provides a convenient 5 illustration for implementing exemplary embodiments of the invention. Various changes to the described embodiments may be made in the function and arrangement of the elements described without departing from the scope of the invention as set forth in the appended claims.

Referring to FIG 1 and FIG 2, the present invention mainly comprises 10 of a long bar body 1; the top of the body 1 has a shallow trough 11 installed for the embedding of a wiping cloth 13 wrapped around a magnetic element 12. The two sides of the body 1 have two symmetrical set troughs 14 individually installed, and a lower part 141 installed on the inner surface of each of the set troughs 14. Also installed on the inner surface is the long clipping point 142, 15 each on the front and rear of the inner surface.

By access to the assembling of the preceding components, different colors of the white board marker 2 can be contained individually in different set troughs 14. With the help of the clipping point 142 to embed and secure, it can be easily taken out for usage by pushing down the front part of the white 20 board marker 2 to make the rear end rise up. The wiping cloth 13 not only

serves as a wipe out for markers on the white board, but also by the magnetic element in which it wraps, it attaches to the white board to prevent the board eraser and the white board markers from falling or missing.

Referring to FIG 3 and FIG 4, when the present invention is put to use, 5 differently colored white board markers 2 are put into different set troughs 14, and with the help of the clipping points 142 inside the set troughs 14, the white board markers 2 are embedded and secured. Numerous white board markers 2 are gathered for storage to prevent being lost from misplacing. As for the need to use the white board markers 2, the front part of the white board marker 10 2 can be pushed down, due to the lower part 141 being installed inside the set troughs 14. The front part of the white board marker 2 will follow the lower part 141 and go down, at the same time the rear end of the white board marker 2 will rise up for the convenience of being taken out to write on the white board, and after the writing is finished, it can be put back into the set troughs 15 14.

As illustrated in FIG 5, when the present invention is put to use, the body 1 which contains the white board markers 2 can be attached to any part on the white board 3. This is to enable the white board markers 2 to move along with the body 1 to prevent the white board markers 2 from being lost. When 20 they are needed for writing, different colors of white board markers 2 can be

taken out from the body 1 casually, so it is very convenient.

To sum up, the present invention has set troughs and magnetic elements installed to enable the gathered containment and for the board eraser to attach to the white board. All these are to prevent the falling and missing of the 5 board eraser and the white board markers, so it really is a practical design, and an invention possessing novelty.

It will be understood that each of the elements described above, or two or more together may also find a useful application in other types of methods differing from the type described above.

10 While certain novel features of this invention have been shown and described and are pointed out in the annexed claim, it is not intended to be limited to the details above, since it will be understood that various omissions, modifications, substitutions and changes in the forms and details of the device illustrated and in its operation can be made by those skilled in the art without 15 departing in any way from the spirit of the present invention.